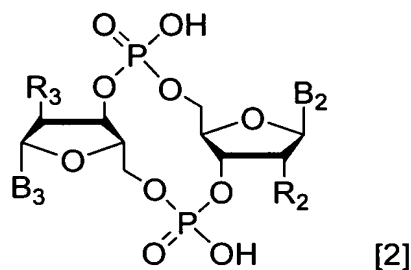


**AMENDMENTS TO THE CLAIMS:**

This listing of claims will replace all prior versions and listings, of claims in the application:

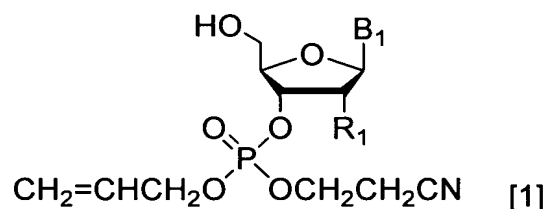
**LISTING OF CLAIMS:**

1. (Currently Amended) A method for synthesizing a compound represented by Formula [2]:



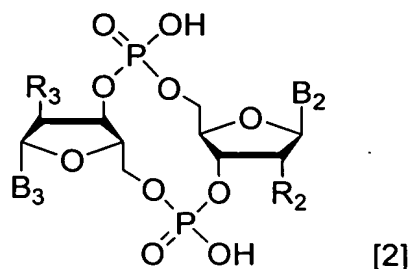
wherein R<sub>2</sub> and R<sub>3</sub> each independently represent a hydrogen atom, a halogen atom, a methoxy group, a 2-methoxyethoxy group or a hydroxyl group; and B<sub>2</sub> and B<sub>3</sub> each independently represent a nucleic acid base,

or a salt thereof from a compound represented by Formula [1]:



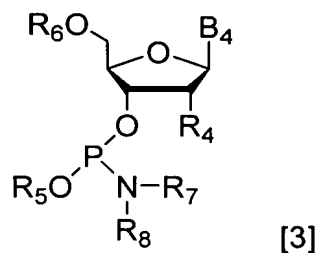
wherein R<sub>1</sub> represents a hydrogen atom, a halogen atom, a methoxy group, a 2-methoxyethoxy group, or a hydroxyl group substituted with a hydroxyl protective group; and B<sub>1</sub> represents a nucleic acid base which may be protected, said method comprising preparing a condensation product of the compound represented by Formula [1] and forming the compound of Formula [2] from the condensation product.

2. (Currently Amended) A method for synthesizing a compound represented by Formula [2]:



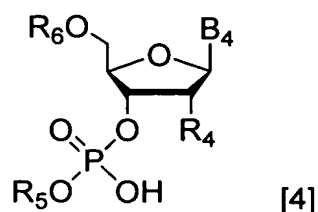
wherein ~~R<sub>2</sub>, R<sub>3</sub>, B<sub>2</sub> and B<sub>3</sub> have the same meanings as defined for R<sub>2</sub>, R<sub>3</sub>, B<sub>2</sub> and B<sub>3</sub> of Formula [2] in claim 1 above~~ R<sub>2</sub> and R<sub>3</sub> each independently represent a hydrogen atom, a halogen atom, a methoxy group, a 2-methoxyethoxy group or a hydroxyl group; and B<sub>2</sub> and B<sub>3</sub> each independently represent a nucleic acid base,

or a salt thereof from a compound represented by Formula [3]:



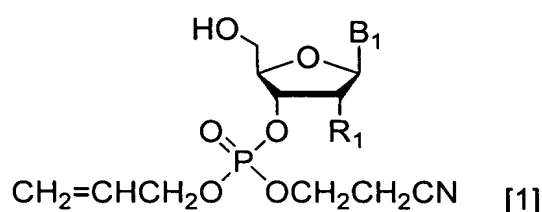
wherein R<sub>4</sub> represents a hydrogen atom, a halogen atom, a methoxy group, a 2-methoxyethoxy group, or a hydroxyl group substituted with a hydroxyl protecting group; B<sub>4</sub> represents a nucleic acid base which may be protected; R<sub>5</sub> represents an allyl group or a 2-cyanoethyl group; R<sub>6</sub> represents a hydroxyl protecting group; and R<sub>7</sub> and R<sub>8</sub> each independently represent an alkyl group having 1 to 4 carbon atoms, or R<sub>7</sub> and R<sub>8</sub> may be bonded to form a ring containing a nitrogen atom,

or a compound represented by Formula [4]:



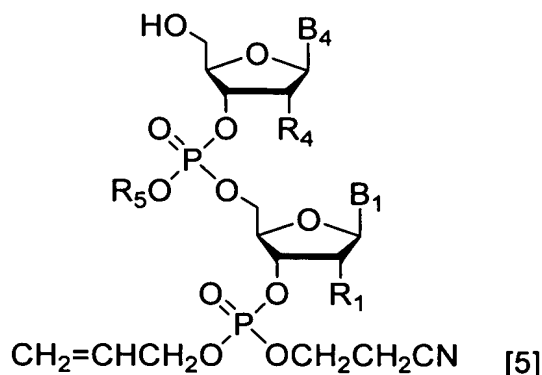
wherein R<sub>4</sub>, R<sub>5</sub>, R<sub>6</sub> and B<sub>4</sub> have the same meanings as defined for R<sub>4</sub>, R<sub>5</sub>, R<sub>6</sub> and B<sub>4</sub> of Formula [3] above,

and from a compound represented by Formula [1]:



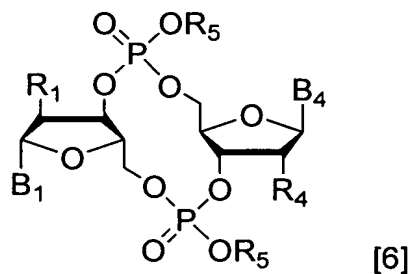
wherein ~~R<sub>1</sub> and B<sub>1</sub> have the same meanings as defined for R<sub>1</sub> and B<sub>1</sub> of Formula [1]~~  
~~in claim 1 above~~ R<sub>1</sub> represents a hydrogen atom, a halogen atom, a methoxy group,  
a 2-methoxyethoxy group, or a hydroxyl group substituted with a hydroxyl protective  
group; and B<sub>1</sub> represents a nucleic acid base which may be protected, said method  
comprising preparing a condensation product from the compound of Formula [1] and  
the compound of Formula [3], oxidizing the condensation product and preparing the  
compound of Formula [2] from the oxidized condensation product or comprising  
preparing a condensation product from the compound of Formula [1] and the  
compound of Formula [4] and preparing the compound of Formula [2] from the  
condensation product.

3. (Currently Amended) The method according to claim [[1 or]] 2, wherein the  
compound of Formula [2] is prepared via a [[the]] synthetic intermediate which is a  
 compound represented by Formula [5]:



wherein  $R_1$  and  $R_4$  each independently represent a hydrogen atom, a halogen atom, a methoxy group, a 2-methoxyethoxy group, or a hydroxyl group substituted with a hydroxyl protecting group;  $B_1$  and  $B_4$  each independently represent a nucleic acid base which may be protected; and  $R_5$  is an allyl group or a 2-cyanoethyl group.

4. (Currently Amended) The method according to claim [[1 or]] 2, wherein the compound of Formula [2] is prepared via a [[the]] synthetic intermediate which is a compound represented by Formula [6]:

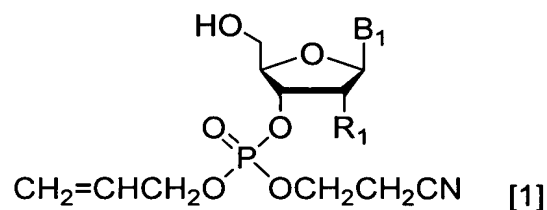


wherein  ~~$R_1$ ,  $R_4$ ,  $R_5$ ,  $B_1$  and  $B_4$  have the same meanings as defined for  $R_1$ ,  $R_4$ ,  $R_5$ ,  $B_1$  and  $B_4$  of Formula [5] in the previous claim~~  $R_1$  and  $R_4$  each independently represent a hydrogen atom, a halogen atom, a methoxy group, a 2-methoxyethoxy group, or a hydroxyl group substituted with a hydroxyl protecting group;  $B_1$  and  $B_4$  each independently represent a nucleic acid base which may be protected; and  $R_5$  is an allyl group or a 2-cyanoethyl group.

5. (Original) The method according to claim 1, wherein with respect to Formula [1], R<sub>1</sub> is a hydrogen atom, a fluorine atom, a methoxy group, a 2-methoxyethoxy group or a t-butyldimethylsilyloxy group; and with respect to Formula [2], R<sub>2</sub> and R<sub>3</sub> each independently represent a hydrogen atom, a fluorine atom, a methoxy group, a 2-methoxyethoxy group or a hydroxyl group.

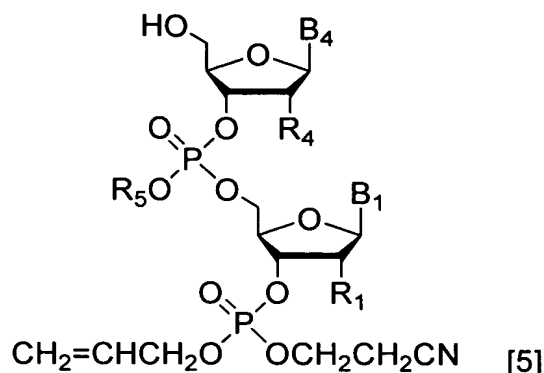
6. (Original) The method according to claim 2, wherein with respect to Formulas [1], [3] and [4], R<sub>1</sub> and R<sub>4</sub> each independently represent a hydrogen atom, a fluorine atom, a methoxy group, a 2-methoxyethoxy group or a t-butyldimethylsilyloxy group; and with respect to Formula [2], R<sub>2</sub> and R<sub>3</sub> each independently represent a hydrogen atom, a fluorine atom, a methoxy group, a 2-methoxyethoxy group or a hydroxyl group.

7. (Currently Amended) A compound represented by Formula [1]:



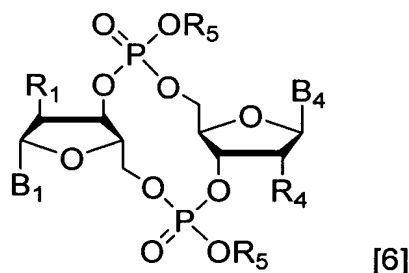
wherein R<sub>1</sub> ~~has the same meaning as defined for R<sub>1</sub> of Formula [1] in claim 1 above~~ represents a hydrogen atom, a halogen atom, a methoxy group, a 2-methoxyethoxy group, or a hydroxyl group substituted with a hydroxyl protective group; and B<sub>1</sub> represents a nucleic acid base which may be protected.

8. (Currently Amended) A compound represented by Formula [5]:



wherein ~~R<sub>1</sub>, R<sub>4</sub>, R<sub>5</sub>, B<sub>1</sub> and B<sub>4</sub> have the same meanings as defined for R<sub>1</sub>, R<sub>4</sub>, R<sub>5</sub>, B<sub>1</sub> and B<sub>4</sub> of Formula [5] in claim 3 above~~ R<sub>1</sub> and R<sub>4</sub> each independently represent a hydrogen atom, a halogen atom, a methoxy group, a 2-methoxyethoxy group, or a hydroxyl group substituted with a hydroxyl protecting group; B<sub>1</sub> and B<sub>4</sub> each independently represent a nucleic acid base which may be protected; and R<sub>5</sub> is an allyl group or a 2-cyanoethyl group.

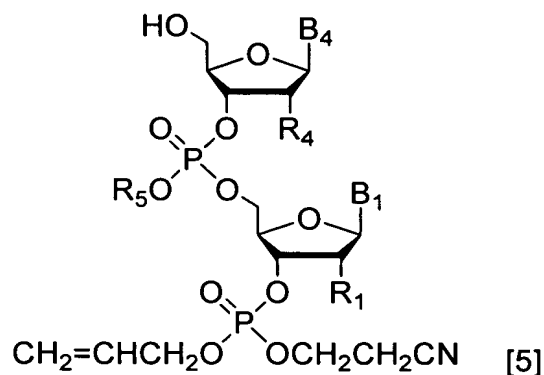
9. (Currently Amended) A compound represented by Formula [6]:



wherein ~~R<sub>1</sub>, R<sub>4</sub>, R<sub>5</sub>, B<sub>1</sub> and B<sub>4</sub> have the same meanings as defined for R<sub>1</sub>, R<sub>4</sub>, R<sub>5</sub>, B<sub>1</sub> and B<sub>4</sub> of Formula [6] in claim 4 above~~ R<sub>1</sub> and R<sub>4</sub> each independently represent a hydrogen atom, a halogen atom, a methoxy group, a 2-methoxyethoxy group, or a hydroxyl group substituted with a hydroxyl protecting group; B<sub>1</sub> and B<sub>4</sub> each independently represent a nucleic acid base which may be protected; and R<sub>5</sub> is an

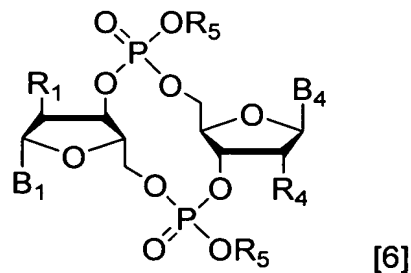
allyl group or a 2-cyanoethyl group.

10. (New) The method according to claim 1, wherein the compound of Formula [2] is prepared via a synthetic intermediate which is a compound represented by Formula [5]:



wherein R<sub>1</sub> and R<sub>4</sub> each independently represent a hydrogen atom, a halogen atom, a methoxy group, a 2-methoxyethoxy group, or a hydroxyl group substituted with a hydroxyl protecting group; B<sub>1</sub> and B<sub>4</sub> each independently represent a nucleic acid base which may be protected; and R<sub>5</sub> is an allyl group or a 2-cyanoethyl group.

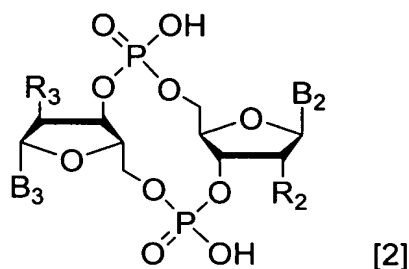
11. (New) The method according to claim 1, wherein the compound of Formula [2] is prepared via a synthetic intermediate which is a compound represented by Formula [6]:



wherein R<sub>1</sub> and R<sub>4</sub> each independently represent a hydrogen atom, a halogen atom,

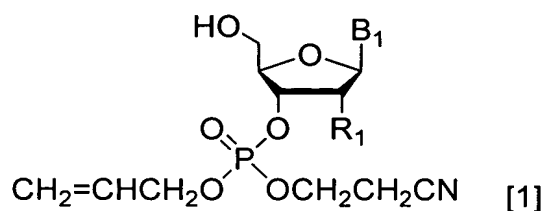
a methoxy group, a 2-methoxyethoxy group, or a hydroxyl group substituted with a hydroxyl protecting group; B<sub>1</sub> and B<sub>4</sub> each independently represent a nucleic acid base which may be protected; and R<sub>5</sub> is an allyl group or a 2-cyanoethyl group.

12. (New) A method for synthesizing a compound represented by Formula [2]:



wherein R<sub>2</sub> and R<sub>3</sub> each independently represent a hydrogen atom, a halogen atom, a methoxy group, a 2-methoxyethoxy group or a hydroxyl group; and B<sub>2</sub> and B<sub>3</sub> each independently represent a nucleic acid base,

or a salt thereof, from a compound represented by Formula [1]:

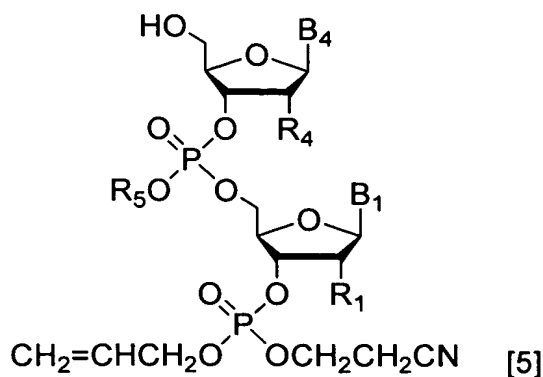


wherein R<sub>1</sub> represents a hydrogen atom, a halogen atom, a methoxy group, a 2-methoxyethoxy group, or a hydroxyl group substituted with a hydroxyl protective group; and B<sub>1</sub> represents a nucleic acid base which may be protected;

through the following steps (1) to (3):

(1) synthesizing a compound represented by Formula [5]:

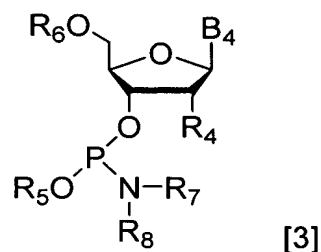




wherein  $R_1$  and  $R_4$  each independently represent a hydrogen atom, a halogen atom, a methoxy group, a 2-methoxyethoxy group, or a hydroxyl group substituted with a hydroxyl protecting group;  $B_1$  and  $B_4$  each independently represent a nucleic acid base which may be protected; and  $R_5$  is an allyl group or a 2-cyanoethyl group;

through the following step (1-1) or (1-2),

(1-1) condensing the compound represented by Formula [1] with a compound represented by Formula [3]:

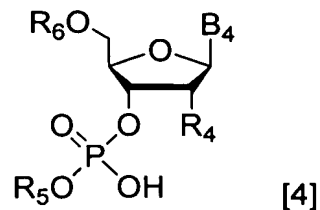


wherein  $R_4$  represents a hydrogen atom, a halogen atom, a methoxy group, a 2-methoxyethoxy group, or a hydroxyl group substituted with a hydroxyl protecting group;  $B_4$  represents a nucleic acid base which may be protected;  $R_5$  represents an allyl group or a 2-cyanoethyl group;  $R_6$  represents a hydroxyl protecting group; and  $R_7$  and  $R_8$  each independently represent an alkyl group having 1 to 4 carbon atoms, or  $R_7$  and  $R_8$  may be bonded to form a ring containing a nitrogen atom,

oxidizing the condensation product, and

removing the  $R_6$  group from the oxidized product,

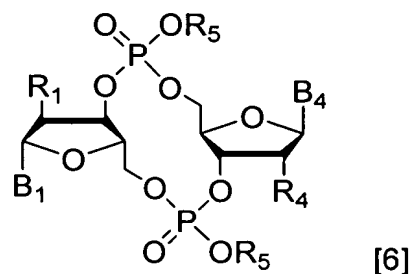
(1-2) condensing the compound represented by Formula [1] with a compound represented by Formula [4]:



wherein R<sub>4</sub>, R<sub>5</sub>, R<sub>6</sub> and B<sub>4</sub> have the same meanings as defined for R<sub>4</sub>, R<sub>5</sub>, R<sub>6</sub> and B<sub>4</sub> of Formula [3] above, and

removing the R<sub>6</sub> group from the oxidized product,

(2) synthesizing a compound represented by Formula [6]:



wherein R<sub>1</sub>, R<sub>4</sub>, R<sub>5</sub>, B<sub>1</sub> and B<sub>4</sub> have the same meanings as defined for R<sub>1</sub>, R<sub>4</sub>, R<sub>5</sub>, B<sub>1</sub> and B<sub>4</sub> of Formula [5] above,

from the compound represented by Formula [5] through the following step

(2-1) or (2-2),

(2-1) carrying out a cyclization reaction after removing an allyl group of the compound represented by Formula [5] when R<sub>5</sub> group of the compound represented by Formula [5] is a 2-cyanoethyl group,

(2-2) carrying out a cyclization reaction after removing a 2-cyanoethyl group of the compound represented by Formula [5] when R<sub>5</sub> group of the compound represented by Formula [5] is an allyl group,

(3) removing any protective groups from B<sub>1</sub>, B<sub>4</sub>, R<sub>1</sub>, R<sub>4</sub> and R<sub>5</sub> of the compound represented by Formula [6].

13. (New) The method according to claim 12, wherein with respect to Formula [1], R<sub>1</sub> is a hydrogen atom, a fluorine atom, a methoxy group, a 2-methoxyethoxy group or a t-butyldimethylsilyloxy group; and with respect to Formula [2], R<sub>2</sub> and R<sub>3</sub> each independently represent a hydrogen atom, a fluorine atom, a methoxy group, a 2-methoxyethoxy group or a hydroxyl group.

14. (New) The method according to claim 12, wherein with respect to Formulas [1], [3] and [4] R<sub>1</sub> and R<sub>4</sub> each independently represent a hydrogen atom, a fluorine atom, a methoxy group, a 2-methoxyethoxy group or a t-butyldimethylsilyloxy group; and with respect to Formula [2], R<sub>2</sub> and R<sub>3</sub> each independently represent a hydrogen atom, a fluorine atom, a methoxy group, a 2-methoxyethoxy group or a hydroxyl group.